

Title (en)  
ABLATION CATHETERS

Title (de)  
ABLATIONSKATHETER

Title (fr)  
CATHÉTERS D'ABLATION

Publication  
**EP 3658050 B1 20230906 (EN)**

Application  
**EP 18752403 A 20180724**

Priority  
• US 201762536855 P 20170725  
• US 2018043563 W 20180724

Abstract (en)  
[origin: WO2019023280A1] An ablation catheter having an expandable tip is disclosed herein. In some implementations, the ablation catheter includes a catheter shaft, an irrigation lumen, and an expandable tip secured to the catheter shaft. In some implementations, the expandable tip includes a balloon defining a volume in communication with the irrigation lumen. In these and other implementations, the balloon defines a plurality of irrigation orifices in fluid communication with the volume. In these and other implementations, the expandable tip comprises an ablation electrode and a plurality of sensing electrodes disposed along a distal section of the balloon. In these and still other implementations, the sensing electrodes disposed along the distal section of the balloon can be electrically isolated from and bounded by the ablation electrode.

IPC 8 full level  
**A61B 18/14** (2006.01); **A61B 18/00** (2006.01)

CPC (source: EP US)  
**A61B 18/1492** (2013.01 - EP US); **A61B 2018/00029** (2013.01 - EP); **A61B 2018/00077** (2013.01 - US); **A61B 2018/00238** (2013.01 - EP US); **A61B 2018/00357** (2013.01 - EP US); **A61B 2018/00577** (2013.01 - EP US); **A61B 2018/00595** (2013.01 - US); **A61B 2018/00642** (2013.01 - EP); **A61B 2018/00702** (2013.01 - EP US); **A61B 2018/00761** (2013.01 - EP US); **A61B 2018/00797** (2013.01 - EP US); **A61B 2018/00827** (2013.01 - EP US); **A61B 2018/00875** (2013.01 - EP US); **A61B 2018/00892** (2013.01 - US); **A61B 2018/1467** (2013.01 - EP); **A61B 2218/002** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2019023280 A1 20190131**; EP 3658050 A1 20200603; EP 3658050 B1 20230906; US 2020205890 A1 20200702;  
US 2023414279 A1 20231228

DOCDB simple family (application)  
**US 2018043563 W 20180724**; EP 18752403 A 20180724; US 201816633134 A 20180724; US 202318462098 A 20230906